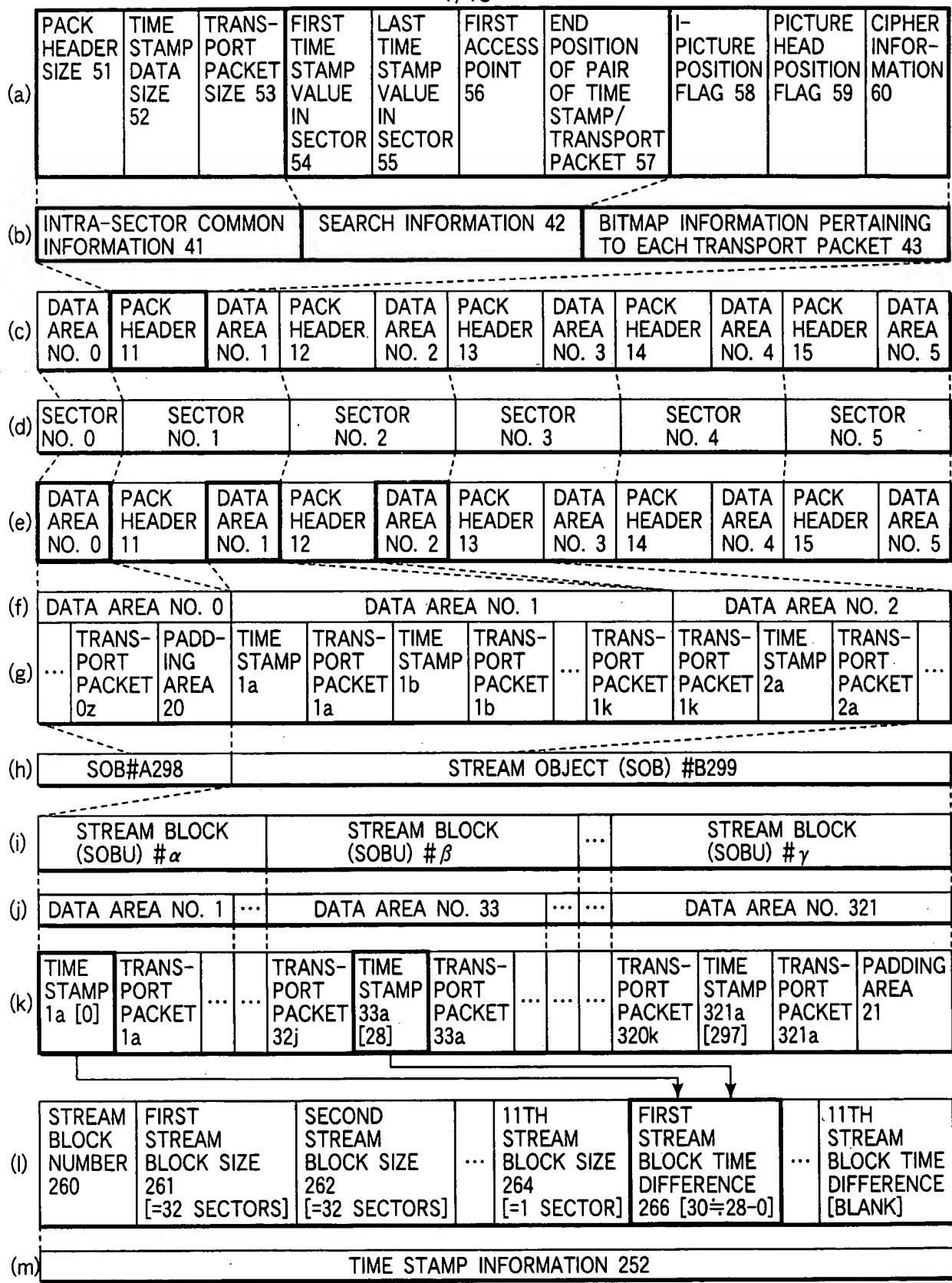


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F I G . 1

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ROOT DIRECTORY 100

SUBDIRECTORY 101

DVD_RTR DIRECTORY (DVD_RTAV) 102

DATA FILE 103

RTR. IFO (VR_MANGR. IFO; NAVIGATION DATA) 104

STREAM. IFO (SR_MANGR. IFO/SR_MANGR.BUP)
(NAVIGATION DATA) 105

SR_PRIVT. DAT/SR_PRIVT. BUP (NAVIGATION DATA UNIQUE TO
APPLICATION) 105a

STREAM. VRO (SR_TRANS. SRO)
(STREAM DATA) 106

RTR_MOV. VRO (VR_MOVIE. VRO; MOVIE REAL-TIME VIDEO
OBJECT) 107

RTR_STO. VRO (VR_STILL. VRO; STILL PICTURE REAL-TIME
VIDEO OBJECT) 108

RTR_STA. VRO (VR_AUDIO. VRO; AUDIO OBJECT OF
POSTRECORDED AUDIO, ETC.) 109

SUBDIRECTORY 110

VIDEO_TS (VIDEO TITLE SET) 111

AUDIO_TS (AUDIO TITLE SET) 112

SUBDIRECTORY FOR SAVING COMPUTER DATA 113

FIG. 2

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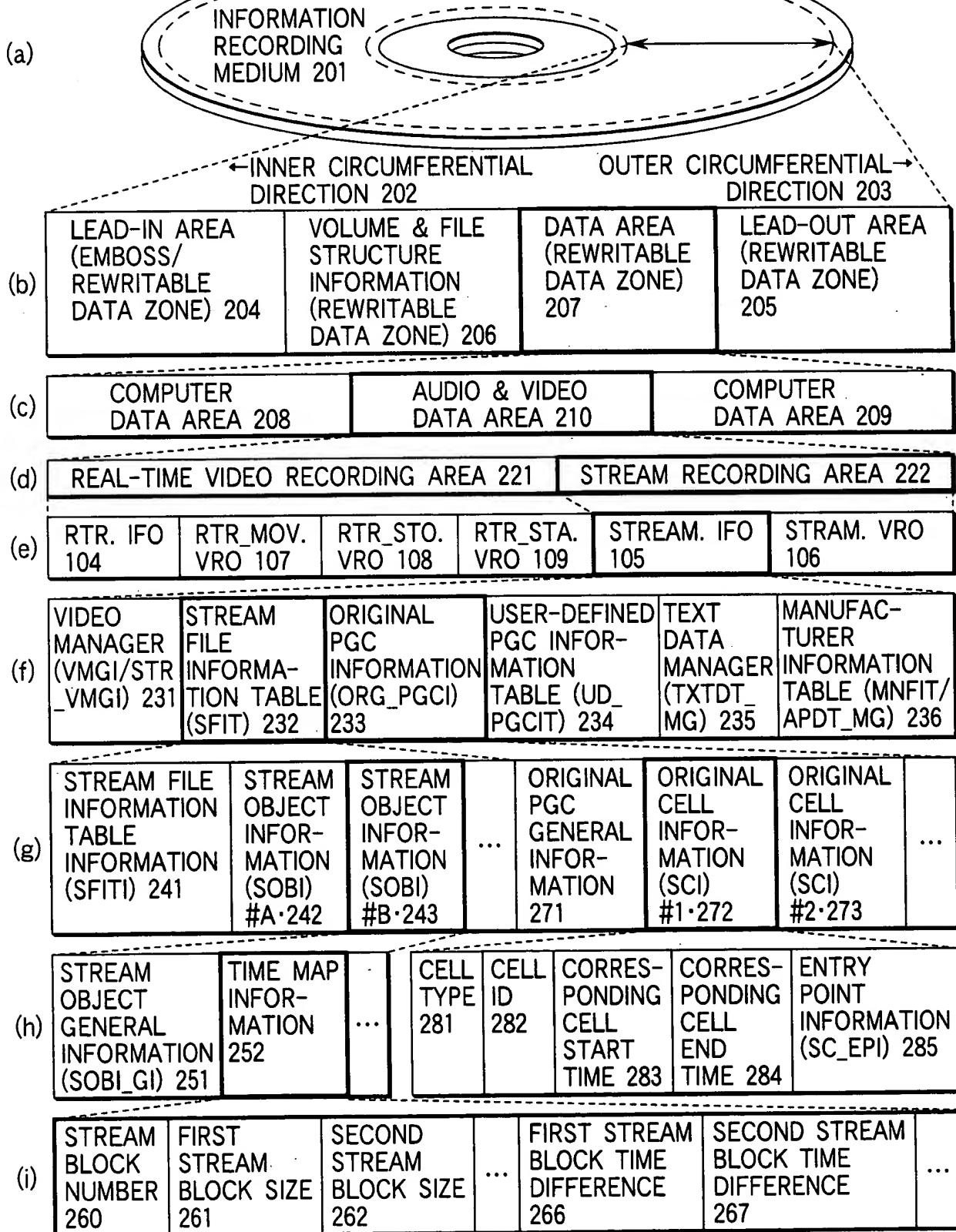
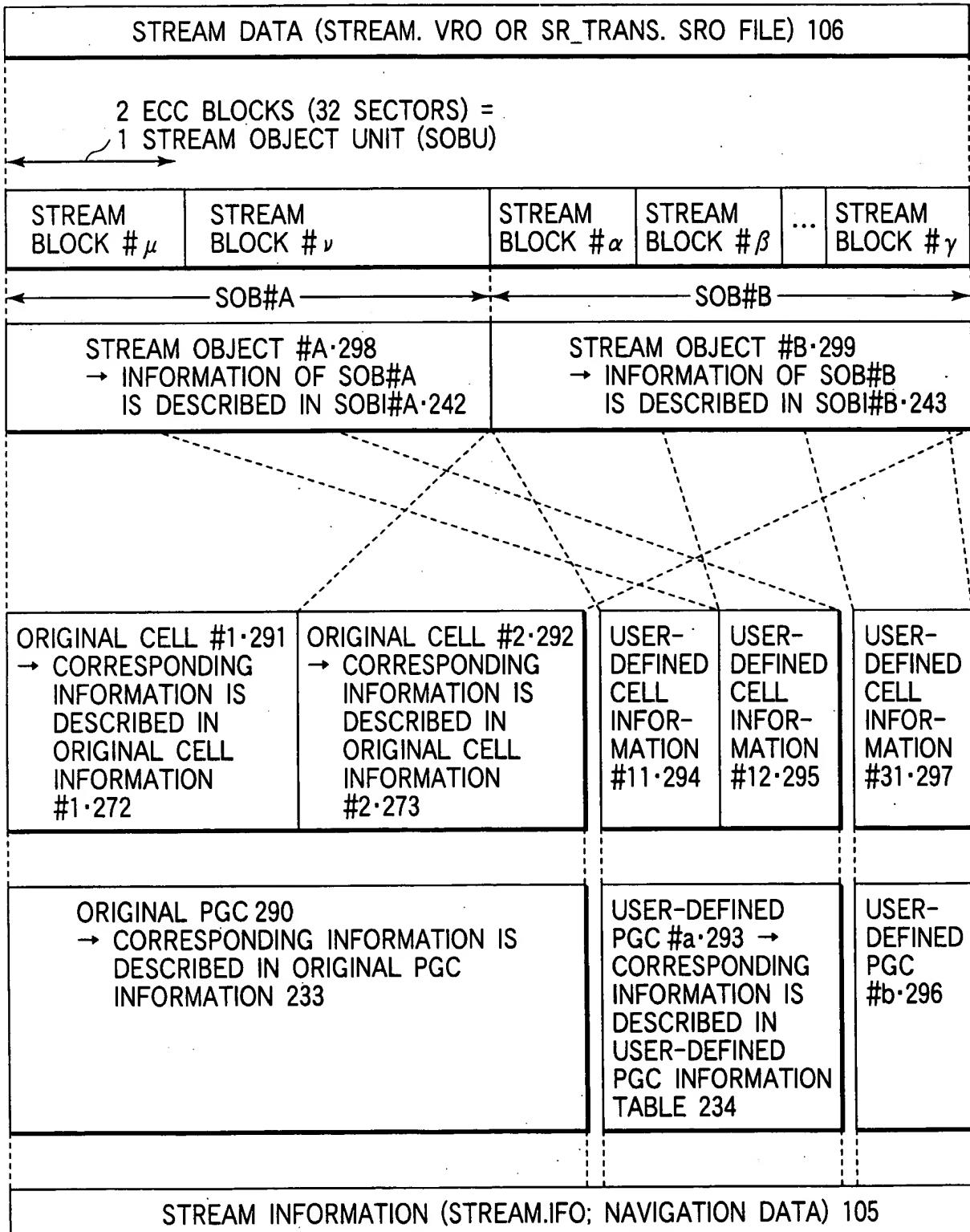


FIG. 3



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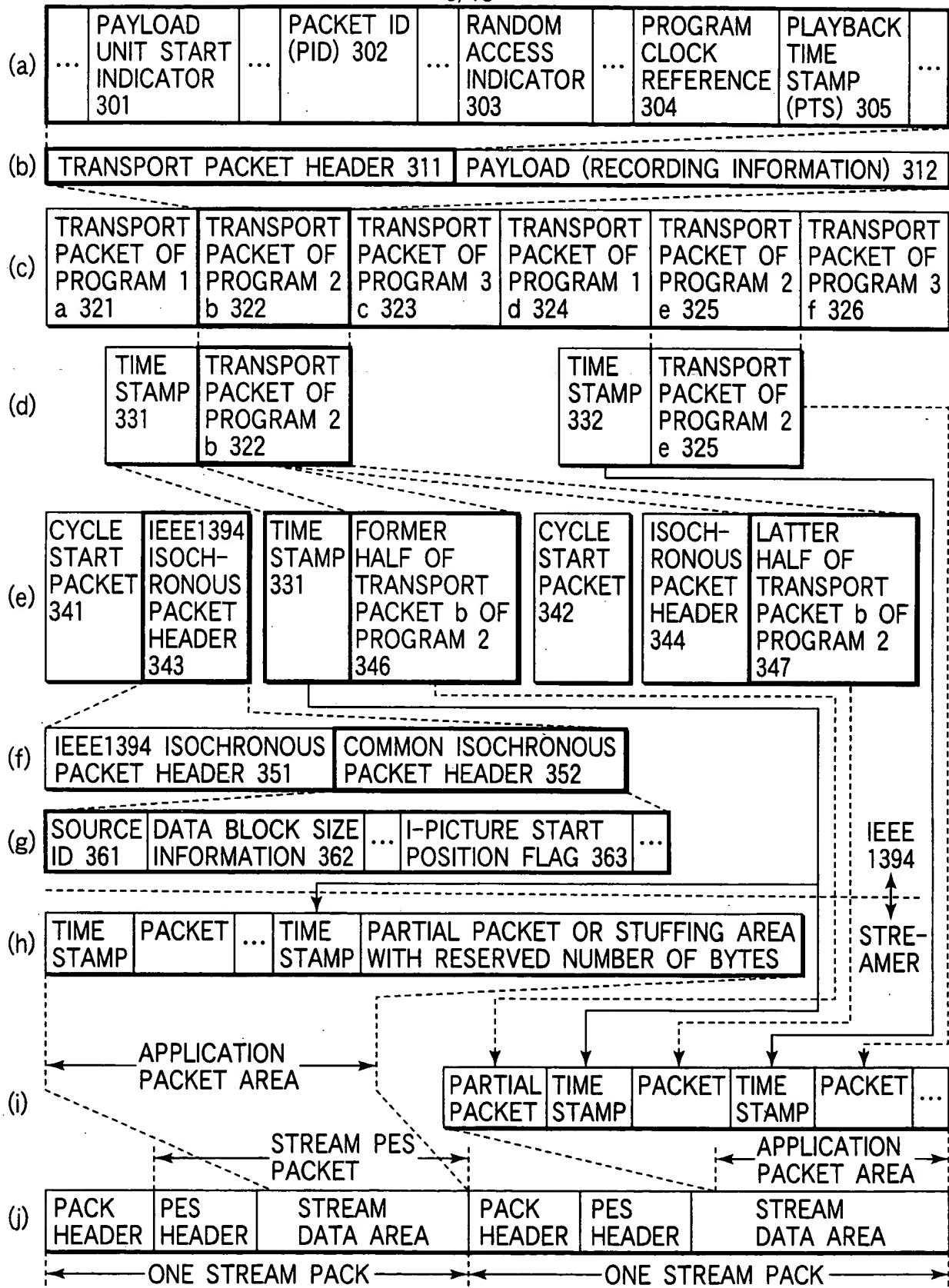


FIG. 5

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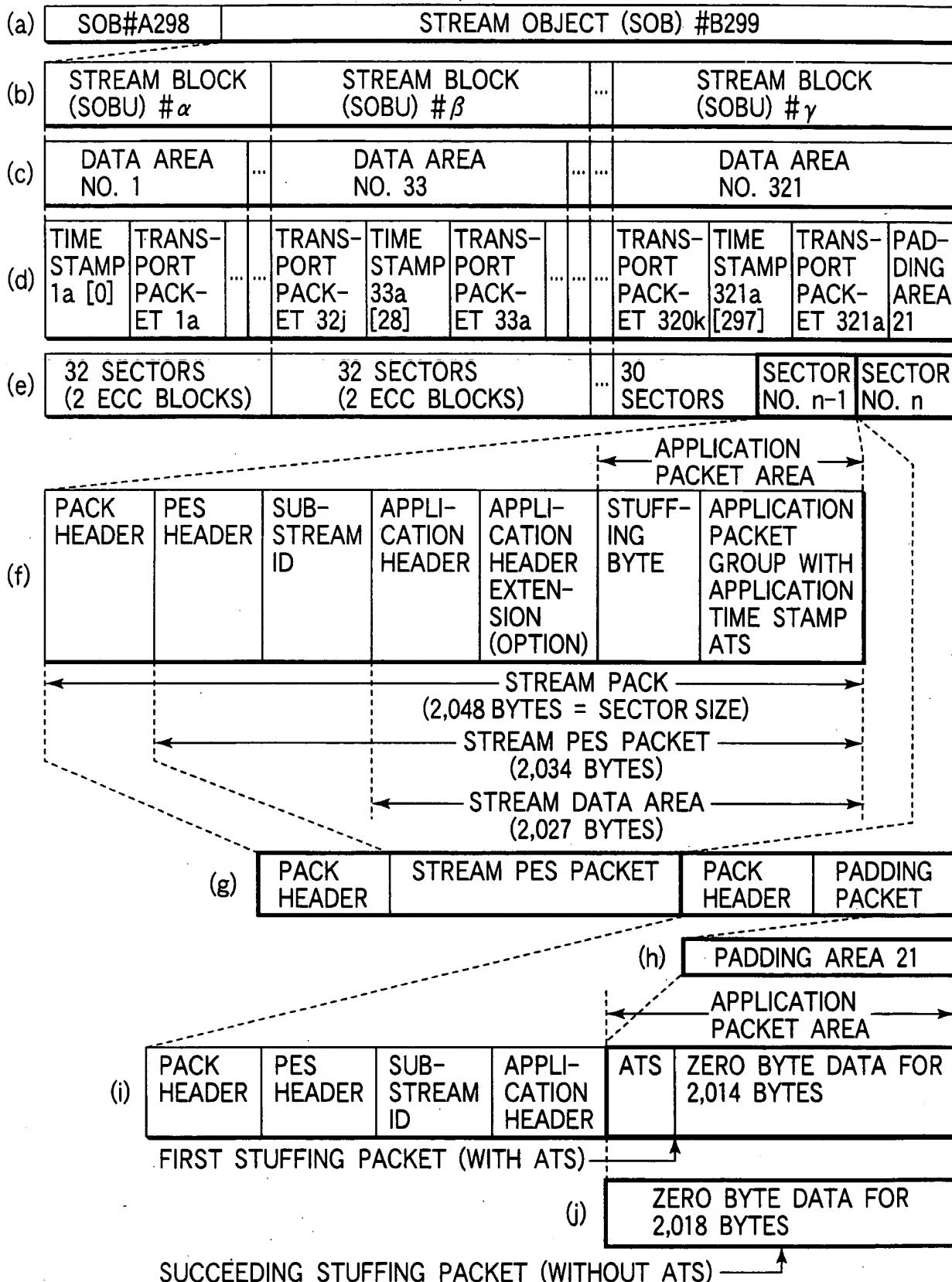


FIG. 6

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 VIDEO PLAYBACK TIME

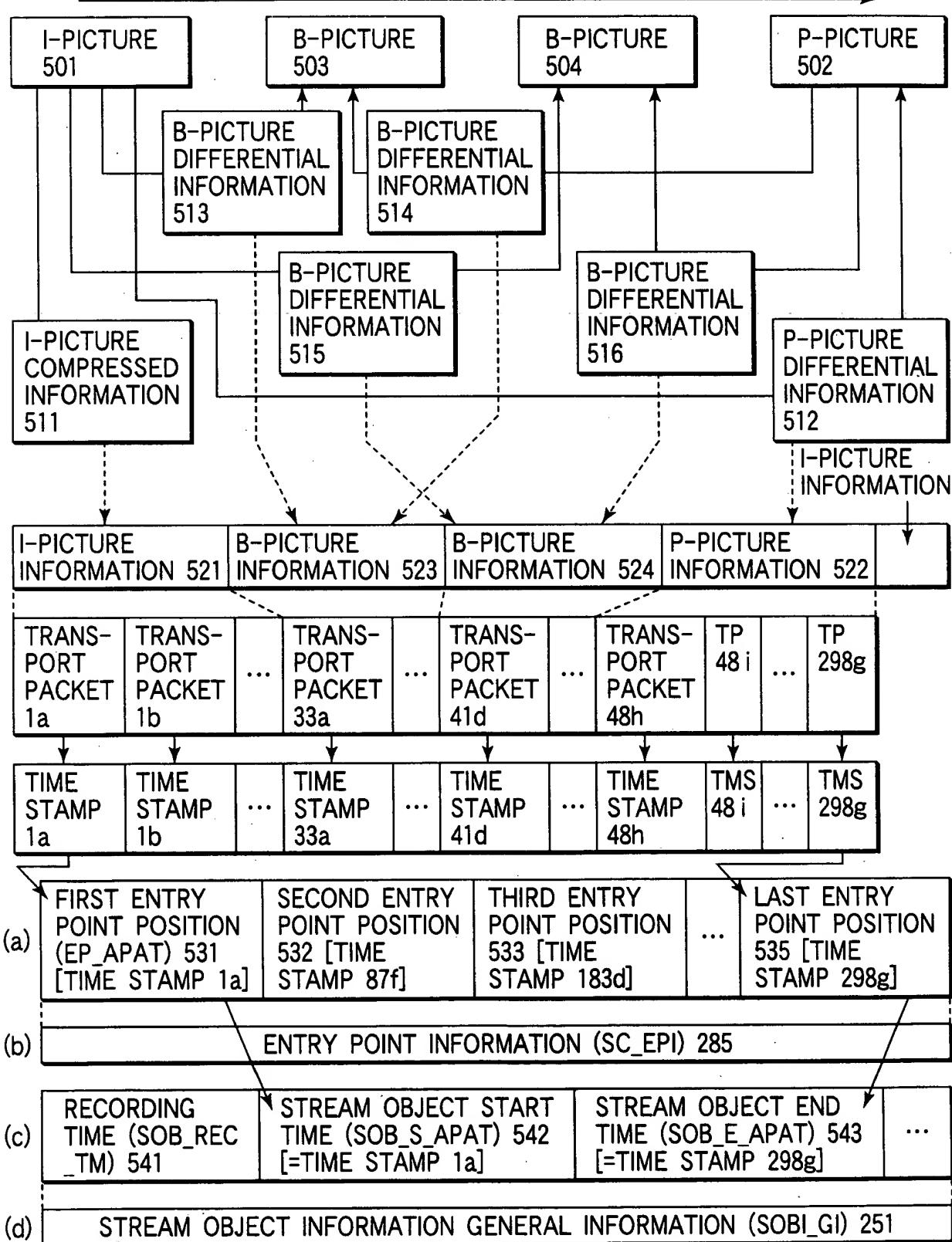
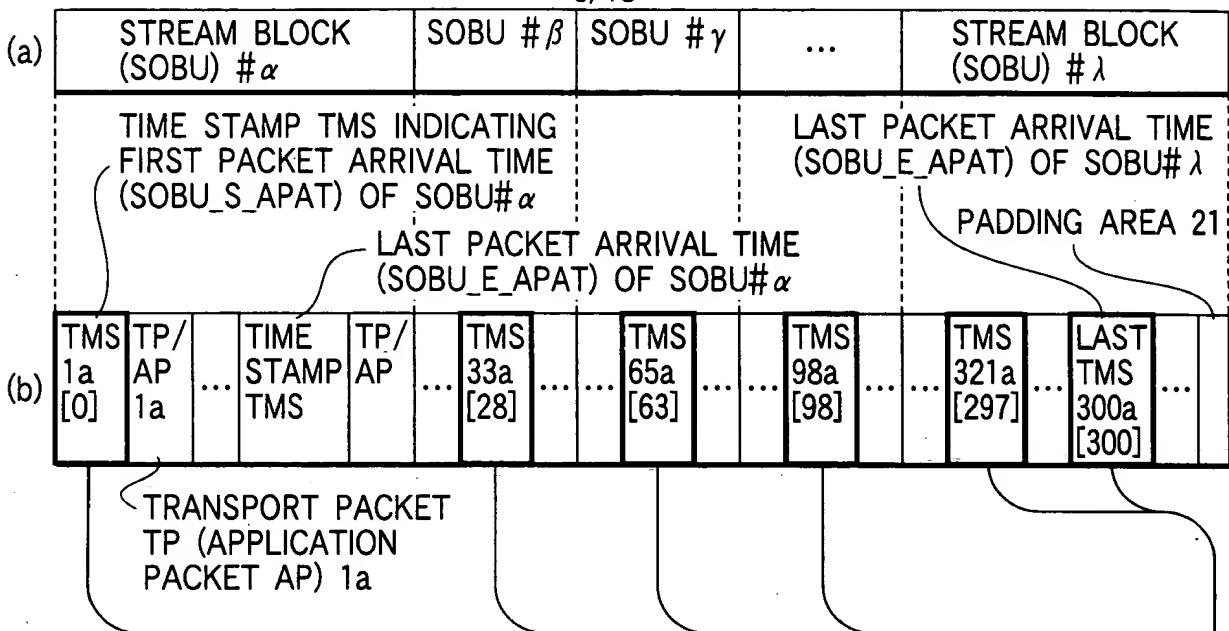


FIG. 7

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(c)

TIME MAP INFORMATION 252	TIME DIFFERENCE NUMBER	TIME DIFFERENCE VALUE	CALCULATION METHOD
	FIRST SOBU# α	30 (ROUNDED VALUE)	$TMS33a - TMS1a = \text{ROUND} [28-0] \div 30$
	SECOND SOBU# β	40 (ROUNDED VALUE)	$TMS65a - TMS33a = \text{ROUND} [63-30] \div 40$
	THIRD SOBU# γ	30 (ROUNDED VALUE)	$TMS98a - TMS65a = \text{ROUND} [98-40-30] \div 30$

	LAST SOBU# λ	BLANK	...

(d)

TIME MAP INFORMATION 252	TIME DIFFERENCE NUMBER	TIME DIFFERENCE VALUE	CALCULATION METHOD
	FIRST SOBU# α	30 (ROUNDED VALUE)	$TMS33a - TMS1a = \text{ROUND} [28-0] \div 30$
	SECOND SOBU# β	40 (ROUNDED VALUE)	$TMS65a - TMS33a = \text{ROUND} [63-30] \div 40$
	THIRD SOBU# γ	30 (ROUNDED VALUE)	$TMS98a - TMS65a = \text{ROUND} [98-40-30] \div 30$

	LAST SOBU# λ	10	$TMS300a - TMS321a = \text{ROUND} [300-297] \div 10$ OR $[300-300+10] \div 10$

FIG. 8

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(a)	...	STREAM BLOCK (SOBU) # γ	STREAM BLOCK (SOBU) # δ	...	STREAM BLOCK (SOBU) # η	STREAM BLOCK (SOBU) # θ
(b)	...	SIZE = 16 (OR 32) SECTORS	SIZE = 16 (32) SECTORS	...	SIZE = 16 (32) SECTORS	SIZE = 16 (OR 32) SECTORS
(c)	...	TIME DIFFERENCE = 30	TIME DIFFERENCE = 40	...	TIME DIFFERENCE = 40	TIME DIFFERENCE = 30
(d)	...	SECTOR NO. 87	...	SECTOR NO. 97	...	SECTOR NO. 224
(e)	...	TMS 87f	...	TMS 97c	...	TMS 224k

—TIME STAMP (TMS) 1a—

(k)	STATE BEFORE PARTIAL ERASE	STREAM OBJECT INFORMATION (SOBI)	STREAM OBJECT START TIME (SOB_S_APAT) 542	TIME STAMP (TMS) 1a	TIME STAMP (TMS) 298g		
		STREAM OBJECT END TIME (SOB_E_APAT) 543	TIME STAMP (TMS) 298g				
		ORIGINAL CELL INFORMATION (SCI)	CORRESPONDING CELL START TIME (SC_S_APAT) 283	TIME STAMP (TMS) 1a			
			CORRESPONDING CELL END TIME (SC_E_APAT) 284	TIME STAMP (TMS) 298g			
(f)	STREAM BLOCK # γ		STREAM BLOCK # δ	...	STREAM BLOCK # η	STREAM BLOCK # θ	
(g)	SIZE = 16 (32) SECTORS		SIZE = 16 (32) SECTORS	...	SIZE = 16 (32) SECTORS	SIZE = 16 (32) SECTORS	
(h)	TIME DIFFERENCE = 30		TIME DIFFERENCE = 40	...	TIME DIFFERENCE = 40	TIME DIFFERENCE = 30	
(i)	...	SECTOR NO. 87	...	SECTOR NO. 97	...	SECTOR NO. 224	
(j)	...	TMS 87f	...	TMS 97c	...	TMS 224k	

(l)	STATE AFTER PARTIAL ERASE	STREAM OBJECT INFORMATION (SOBI)	STREAM OBJECT START TIME (SOB_S_APAT) 542	TIME STAMP (TMS) 87f	TIME STAMP (TMS) 255d
		STREAM OBJECT END TIME (SOB_E_APAT) 543	TIME STAMP (TMS) 255d		
		ORIGINAL CELL INFORMATION (SCI)	CORRESPONDING CELL START TIME (SC_S_APAT) 283	TIME STAMP (TMS) 97c	
			CORRESPONDING CELL END TIME (SC_E_APAT) 284	TIME STAMP (TMS) 224k	

FIG. 9

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(a) SEARCH INFORMATION IN PACK HEADER (OR APPLICATION HEADER) 42

(b) ... FIRST ACCESS POINT 56 ...

VERSION	NUMBER OF APPLICATION PACKETS (TRANSPORT PACKETS) AP_Ns	TIME STAMP POSITION OF FIRST APPLICATION PACKET FIRST_AP_OFFSET	EXTENSION HEADER INFORMATION EXTENSION_HEADER_INFO INDICATING WHETHER OR NOT HEADER EXTENSION AND/OR STUFFING BYTE ARE/IS PRESENT	ID OF SERVICE THAT GENERATED STREAM OF INTEREST SERVICE_ID	...
---------	---	---	---	--	-----

ONE STREAM PACK
 (2,048 BYTES FIXED; EQUAL TO ONE SECTOR SIZE)

PACK HEADER 11	PES HEADER 601	SUB-STREAM ID	APPLI-CATION HEADER	HEADER EXTENSION	STUFFING BYTE	APPLICATION PACKET GROUP WITH TIME STAMP ATS
----------------	----------------	---------------	---------------------	------------------	---------------	--

STREAM PES PACKET
 (2,034 BYTES)

(e) AU_START AU_END COPYRIGHT STATE OF PACKET

PACKET START CODE PREFIX	STREAM ID (PRIVATE STREAM 2)	PES PACKET LENGTH	SUBSTREAM ID (INDICATING STREAM RECORDING DATA IF 00000010b)
--------------------------	------------------------------	-------------------	--

PACK START CODE	MARKER BIT	SCR BASE	MARKER BIT	SCR BASE	MARKER BIT
SYSTEM CLOCK REFERENCE (SCR) BASE	MARKER BIT				
SCR EXTENSION	MARKER BIT				
PROGRAM MULTIPLEXING RATE	MARKER BIT	MARKER BIT	RESERVED AREA		
PACK STUFFING LENGTH					

FIG. 10

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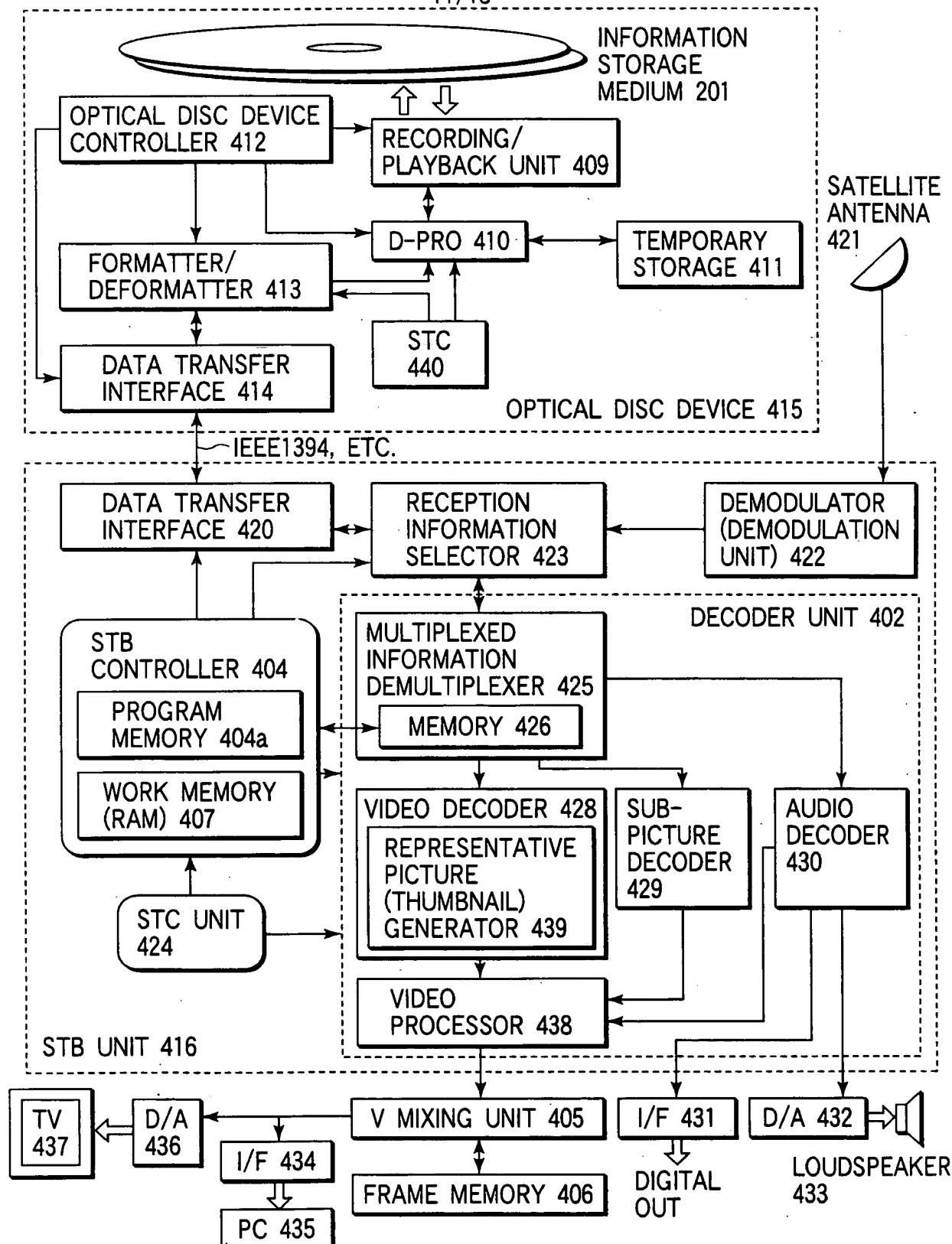


FIG. 11

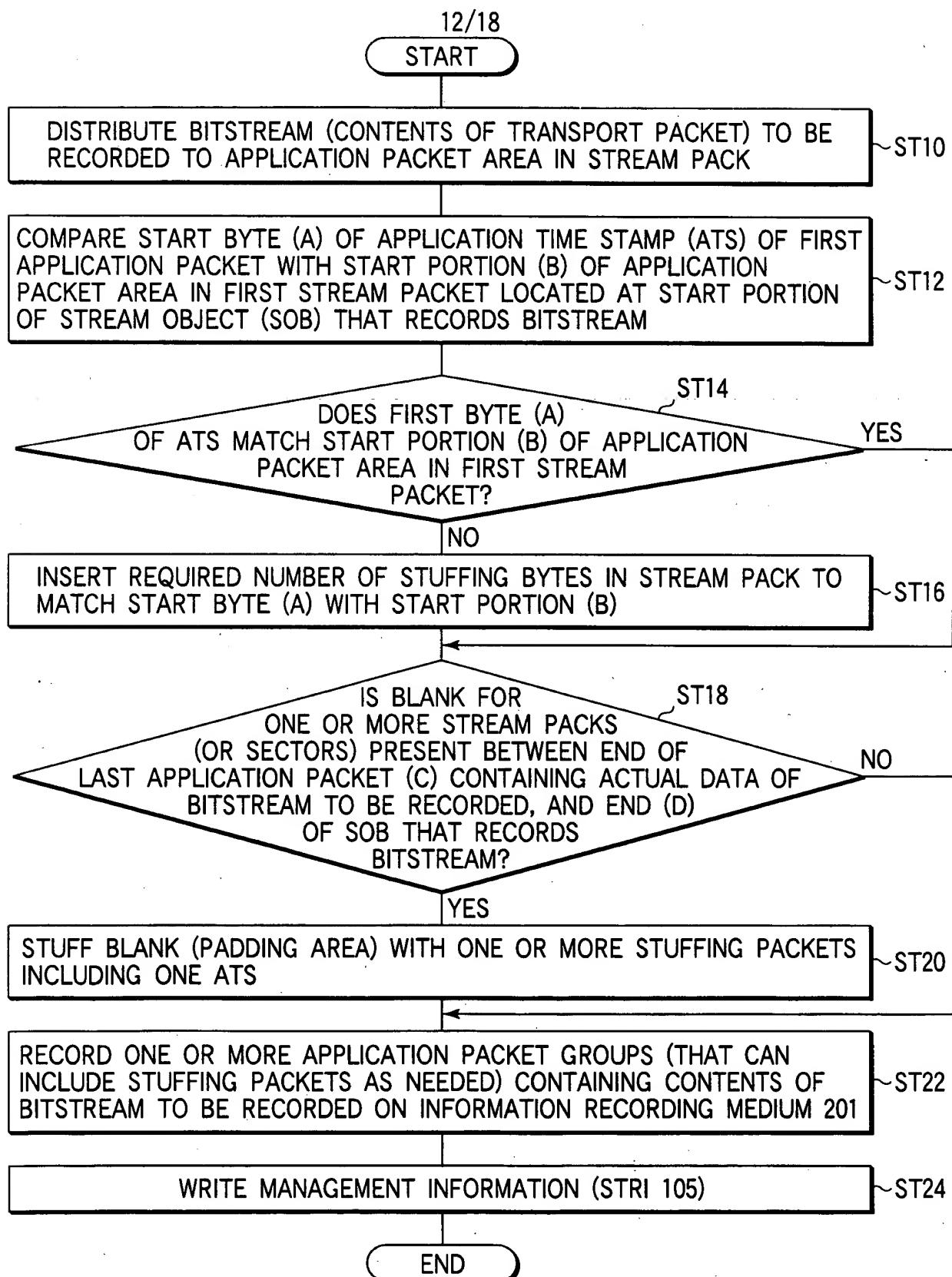


FIG. 12

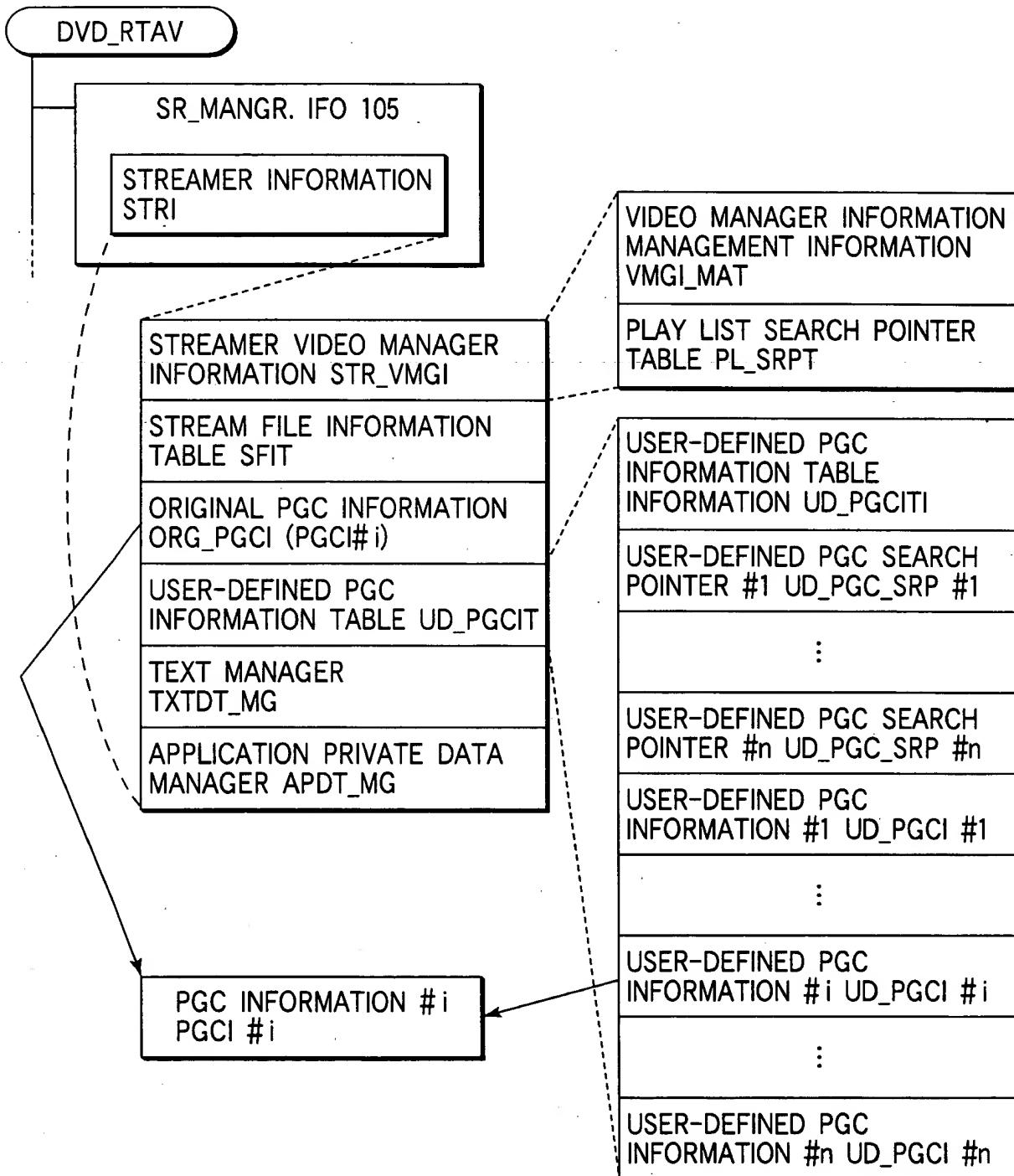


FIG. 13

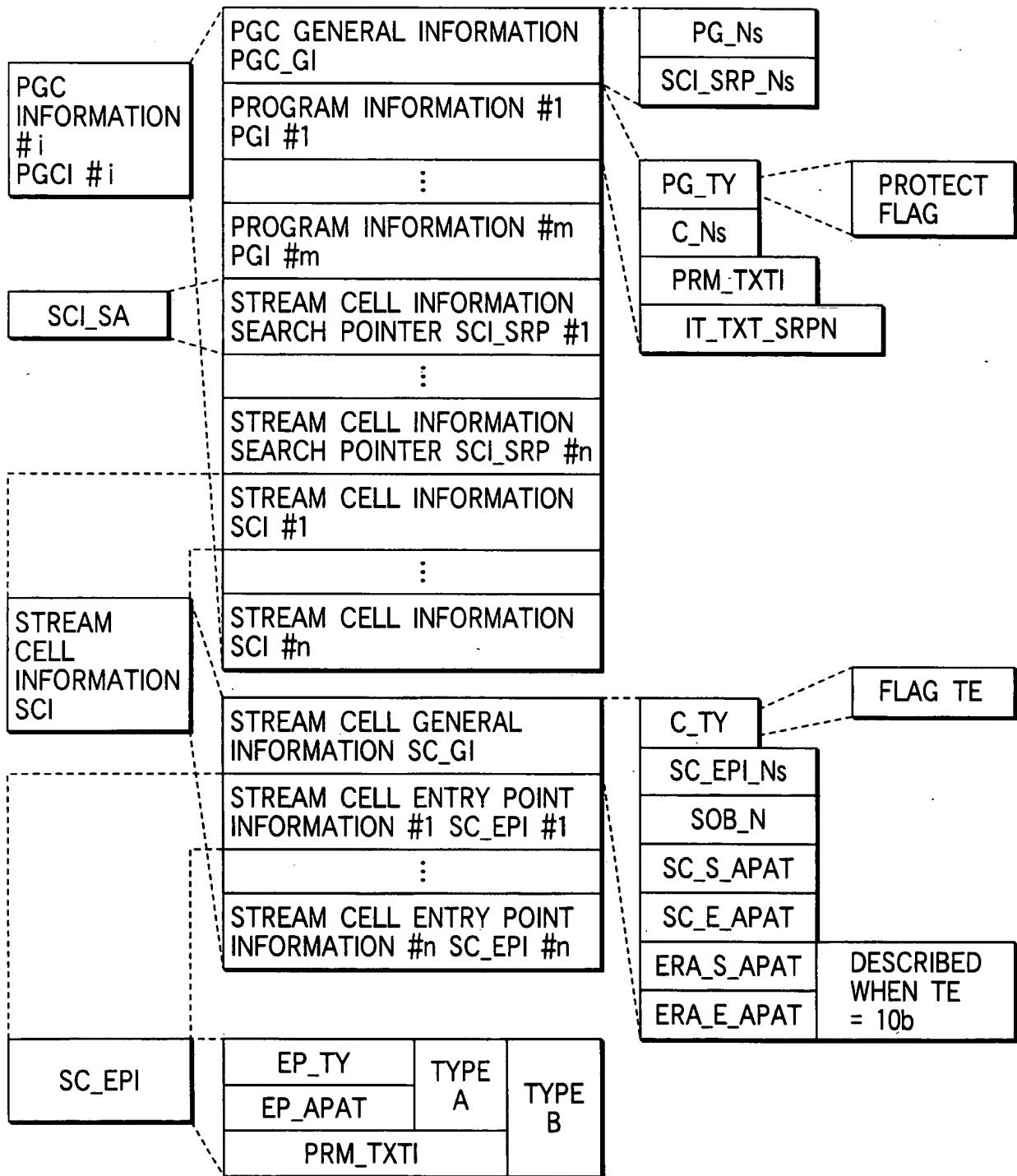


FIG. 14

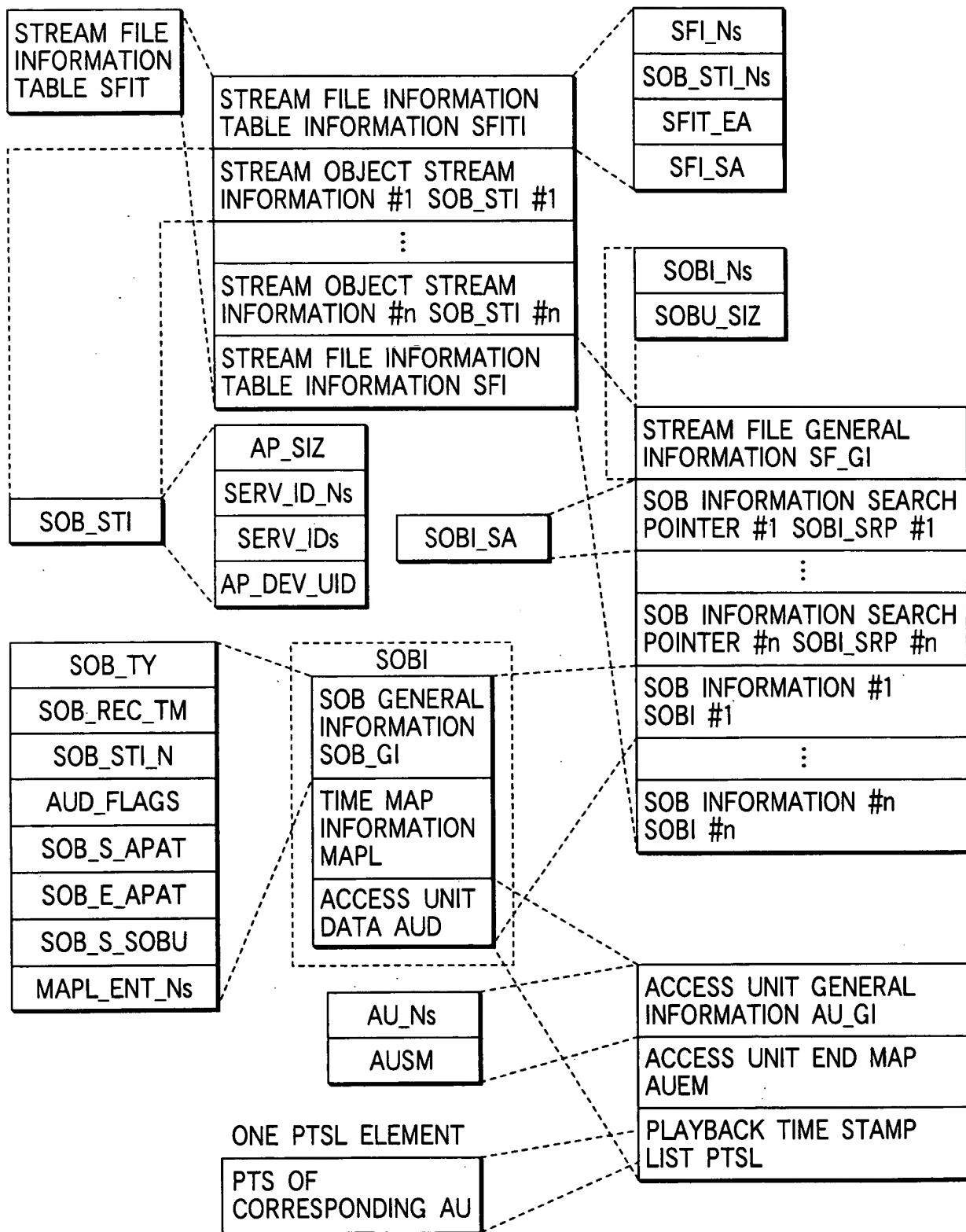


FIG. 15

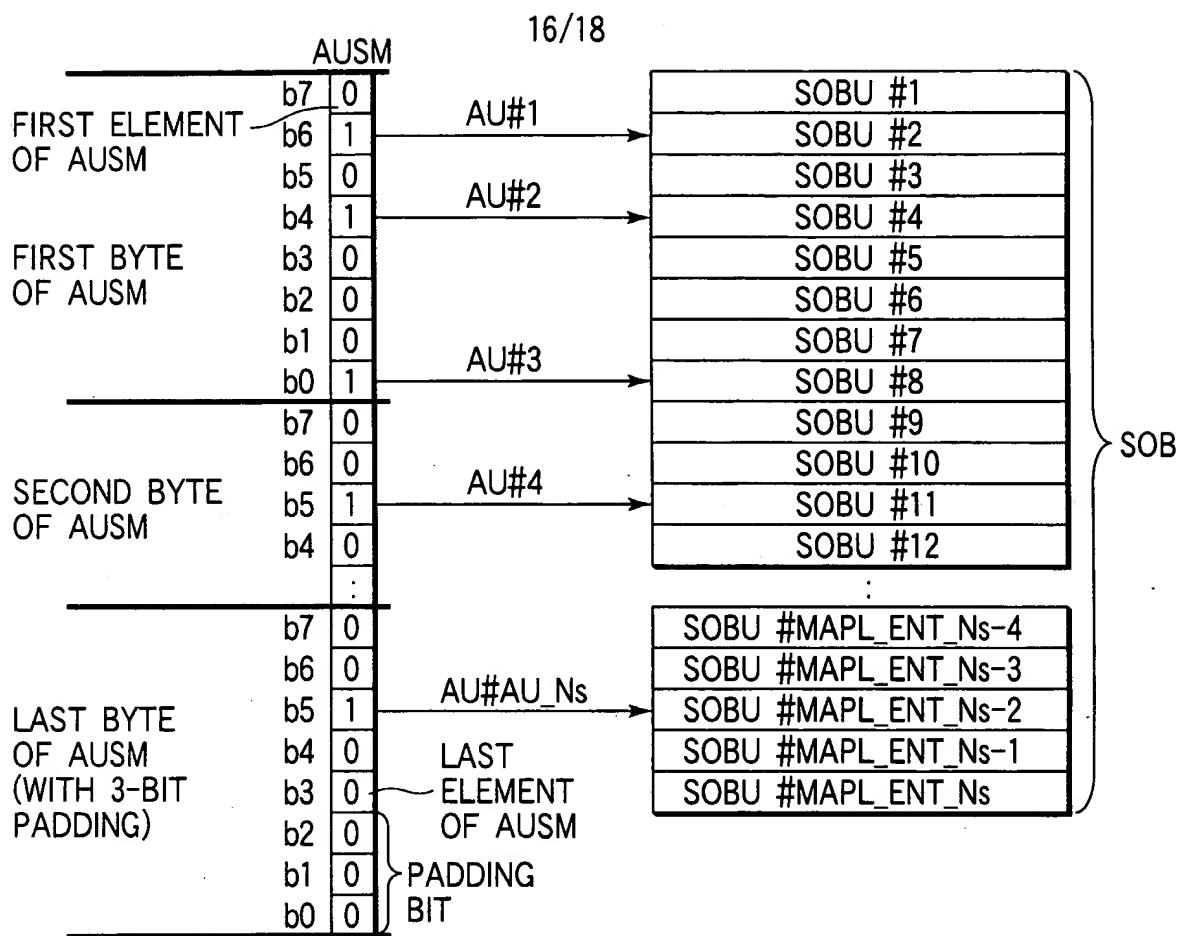


FIG. 16

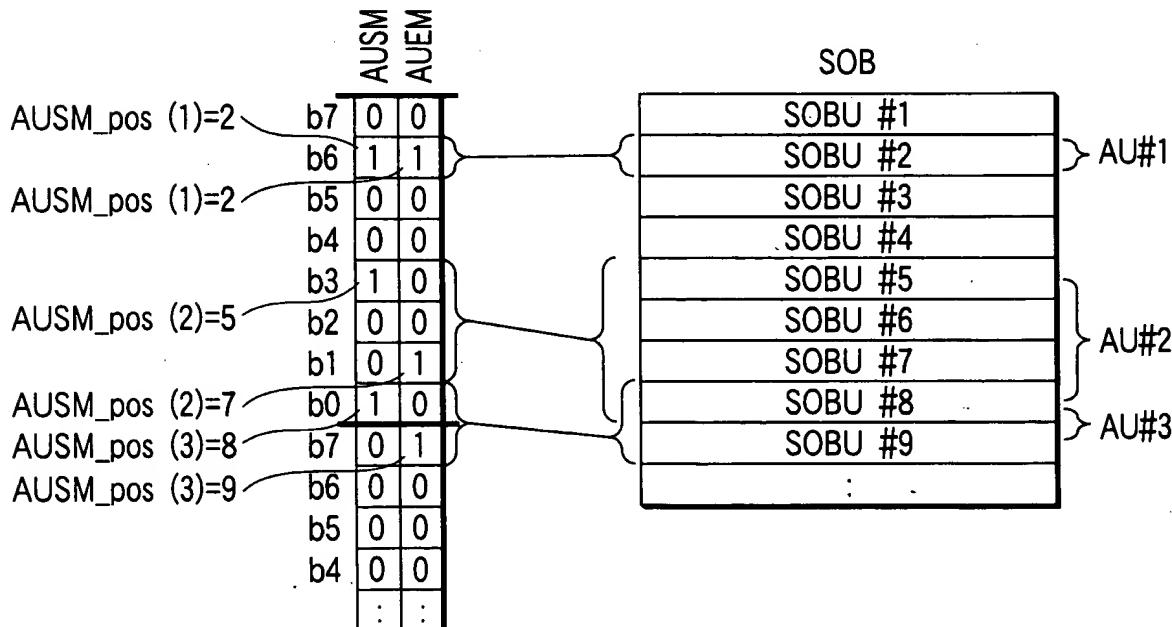


FIG. 17

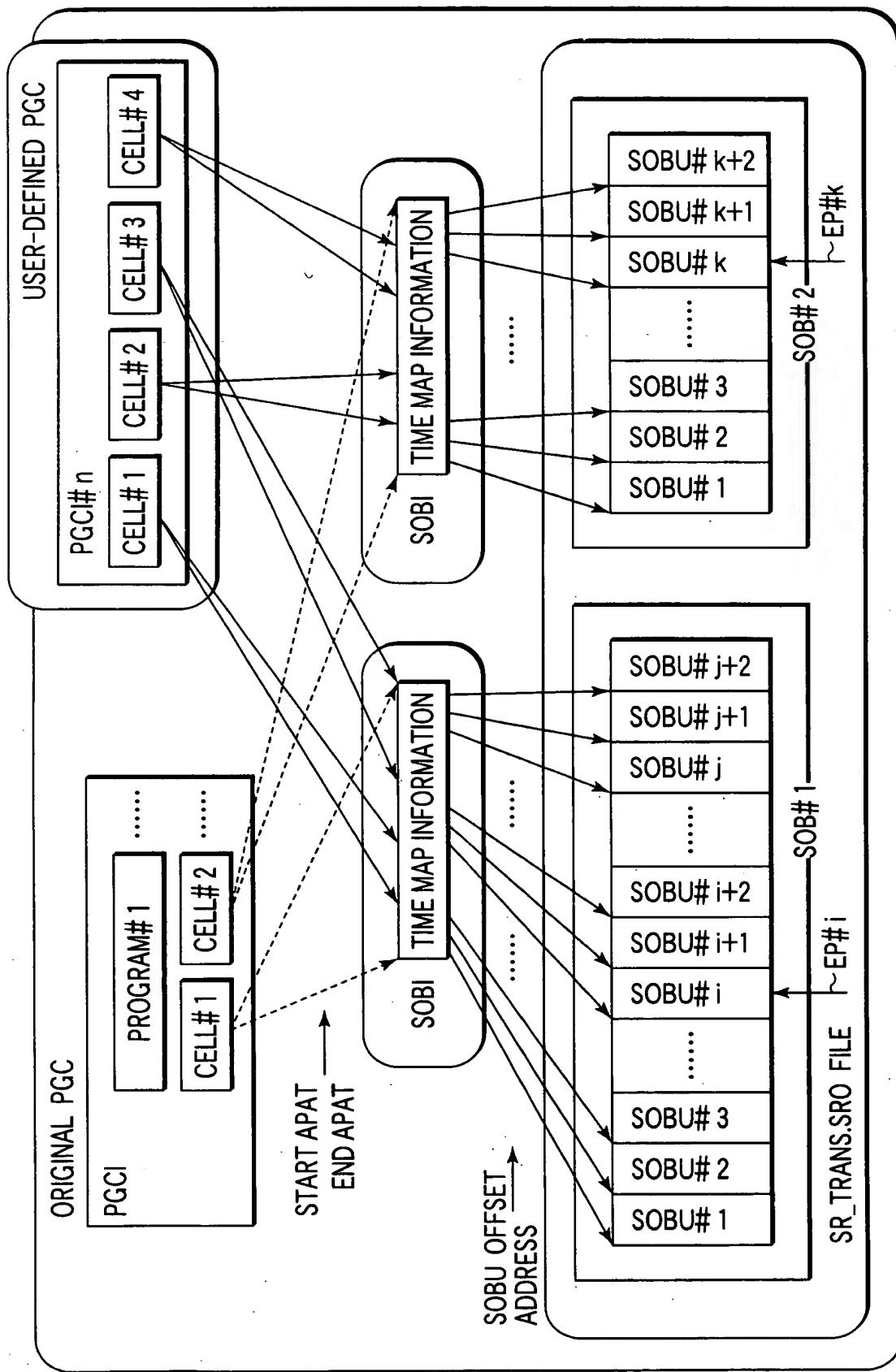


FIG. 18

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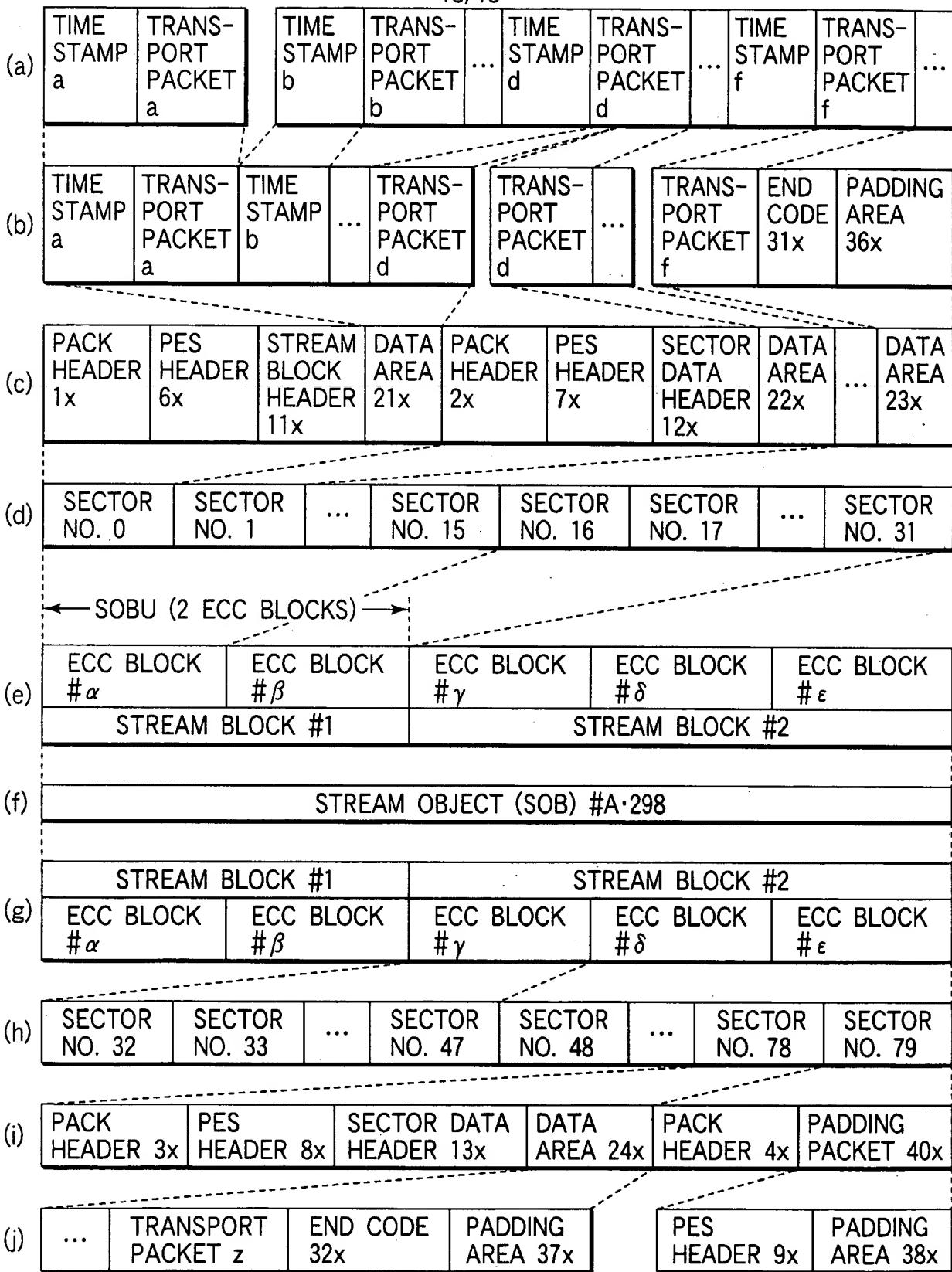


FIG. 19